

# Storelocatorpage

This document aims to define the functionality and structure required to develop a Store Locator Page in a web application. The Store Locator Page allows users to find nearby store locations based on their preferences or geographical location.

## Overview

The Store Locator Page serves as a platform for users to search for and locate nearby stores, outlets, or branches of a business or service provider. It enables users to find store details, directions, and contact information.

## Components

The Store Locator Page will consist of the following components:

### MapDisplayComponent

- Displays an interactive map interface using a mapping library (e.g., Google Maps, Mapbox).
- Shows store locations, markers, and provides navigation controls.

### StoreListDisplayComponent

- Presents a list of nearby stores in a structured format.
- Includes details such as store name, address, distance, and options for further actions.

### SearchStoresComponent

- Provides search filters or input fields allowing users to search for specific stores by name, location, or category.

### StoreLocatorPageComponent

- Acts as the main container, rendering MapDisplayComponent, StoreListDisplayComponent, SearchStoresComponent, and other relevant components.
- Manages the layout, interactions, and data flow within the Store Locator Page.

## **Functionality:**

### **Display Store Locations**

- Renders an interactive map displaying nearby store locations with markers and navigation controls.

### **List Nearby Stores**

- Presents a list of nearby stores with details such as store name, address, distance, and additional actions.

### **Search Functionality**

- Provides search filters allowing users to search for specific stores by name, location, or category.
- Filters and displays relevant stores based on the search query.

## **Testing:**

- Conducts unit tests for each component and functionality.
- Ensures accurate display and functionality of the map, nearby store lists, search features, and interactions within the Store Locator Page.

## **Future Enhancements:**

- Implement user reviews or ratings for stores.
- Include additional store details such as store hours, contact information, or available services.
- Introduce geolocation services for automatic user location identification.

## **Conclusion:**

The Store Locator Page provides users with an intuitive and efficient way to find nearby stores, view store details, and obtain directions, enhancing their overall experience within the application.